

The 50 MHz DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools KA3B. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$20 U.S. third class mail, \$25 U.S./Canada/Mexico airmail, \$25 by surface and \$30 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4541 USA or to P O Box 762, Menlo Park, CA 94026 USA. My Internet address is frank@sneezy.sri.com. The bulletin may be freely quoted, provided that credit is given.

Peter Linden, VK3AMX, SK

Peter Linden, VK3AMX/P29CW/WA7VDF was tragically killed in a light aircraft crash August 22 in Southern California. Pete was due to return to New Guinea after successfully completing his licensed aviation exams in Melbourne this year. Pete was the anchor man for New Guinea 6m operations, and intended to build up a substantial station on his return to Ukarumpa in 1997. He will be sadly missed by us all.

A memorial service was held in Melbourne on September 13 which was attended by 300 people including several local amateurs. I (VK3OT) am attempting to get hold of Pete's logs so that I may continue as his QSL manager until all cards for P29CW have been dispatched. de Steve, VK3OT.

1996 50 MHz DX Marathon Results

| Callsign | Points | Grids | Score |
|----------|--------|-------|-------|
| EH8BPX | 63 | 11 | 704 |
| SM7FJE | 33 | 16 | 544 |
| SP5XMU | 0 | 12 | 12 |
| YO7VS | 0 | 11 | 11 |
| JA1VOK | 0 | 6 | 6 |
| XE1AVM | 0 | 6 | 6 |
| XE2HWB | 0 | 3 | 3 |

The top two winners will receive one year extensions to their subscriptions to the 50 MHz DX Bulletin.

50 MHz DX Challenge Results

GJ4ICD announced the winners to his 1996 50 MHz challenge: at 8057 kms, EH7KW and KB5IUA. The prizes were Infra-Red Communications Headphones.

GJ4ICD notes that it will be VK/ZS/ZL's turn in December/January.

Regarding The 50 MHz DX Window

G4HBA via the Internet

For what it's worth, here are my ramblings on the 50 MHz DX window. The band plan as it stands now was fine several years ago when there were only relatively few of us on 6. With the increase in operators and countries using the band here in Europe the present band plan is virtually meaningless. In a good sporadic E opening only 100 kHz of the band is used for working inter European traffic. The slot from 50.100 to 50.200 can be solid with signals while the rest of the band is like a grave yard. 50.110 is occupied by operators working "DX" 1000 miles away for as long as the band is open.

In my opinion this is caused by having the so called DX calling frequency on 50.110. All activity centers around this frequency. With a band so big surely it would make more sense to move this frequency up to 50.250 say, and let the activity spread out around this. I know there is an argument that says that if the band is only just open then the lower frequency is where you are most likely to work marginal DX signals, but in my experience over the years on 6, the selection of the frequency is not critical to within 200 Khz. The other problem of course is the countries that are only allocated a small segment of the band, although if these countries had a "local" calling frequency it's just as easy to program this into a memory as it is a beacon frequency, and scan the memories.

For sure we need a DX calling frequency as I bet 99% of us leave the rig on 50.110 when we are around because if there is any activity, this is where it will appear first. Changing this to a frequency a couple of hundred Khz higher will not alter the way things work, but would give us more room to operate in which in turn would give us a better chance of working the weaker REAL DX signals which here in the U.K. are more often than not covered up by local European DX.

Actually invoking such a change would be extremely difficult now without a lot of publicity from all of the many organizations involved around the World. But now is the time to do something, or the next F2 season will disappear under a load of local QRM from operators who don't know any better. I doubt we will ever get rid of the selfish guy who uses the DX calling frequency as his personal operating frequency—but with better education from groups like the UKSMG and SMIRK surely we can get the message through to the majority of decent operators?

A Band Plan From The Past

Sam Goda, WA6JRA, foresaw the need for changes in the 6m band plan years ago. We published a band plan of his in our January 1994 bulletin, and other band plans of his have been published as early as the 70s. I have just received his latest revision, dated March 1996, which may be obtained in full from him by sending him an SASE.

There has been no consensus so far as to where, or if, the 50 MHz calling frequencies should be moved. The opinion has been expressed that perhaps they are part of the problem, that we'd be better off with a more *laissez faire* situation like that existing on the lower frequency ham bands.

With this in mind, I am republishing part of Sam Goda's latest 50 MHz DX Windows band plan minus his suggested calling frequencies. Note that it calls for an expansion of CW and a reduction of beacon spectrum usage between 50.0-50.1.

50.000-50.010 CW EME Window (1)
50.010-50.015 CW Super DX Window
50.015-50.060 CW DX Beacons (2)
50.060-50.080 CW US Beacons (2)
50.080-50.100 CW International DX Window
50.100-50.125 USB International DX Window

(1) EME operation not restricted to this window.
(2) Since only a few beacons will be heard at any given time/location, 50.015-50.080 MHz can be used for CW.

July-Sept 1996 DX Reports

The following reports of 50 MHz and higher DX propagation are courtesy of G4UPS, SM7AED's *Six-metre Info*, GJ4ICD's *Internet Six News*, (marked with #), JR3HED, SP5XMU, YO7VS, XE1AVM, VE7SKA, K6QXY, and postings on the Internet. Apologies to any sources I may have inadvertently neglected. Reports had not been received by the advanced deadline this month from usual contributors ZL1MQ, JA1VOK, and LW5EJU.

The first entry is *mmddhhii*, where *mm* is the month, *dd* is the day of the month, *hh* is the hour UTC, and *ii* is the minutes after the hour. The year is understood to be 1996. A + to the right of the time indicates the observation was one of several in a time period and is probably later than the time reported. A ~ indicates approximate time. The grid square of the observing station may occur after a > symbol; however a time after > indicates the opening was still in progress at this time. A t indicates tentative identification of a TV station. Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, S=SSB, W=mode not mentioned, H=heard only.

Reports of Africa

CANARY IS.

08121854 EH8BPX IL18 > J065 SM7FJE
08121910 EH8BPX > J066 H SM7AED
08241901 EH8BPX IL18 > IM63 50.110 RH1TA/P

CENTRAL AFRICAN REPUBLIC: # Eric, F5JJK, is now operational as TL8/F5JJK/JJ94 with an Icom IC706 but no beam at present. Eric is there until the end of December.

MADEIRA IS.

08061011 CT3FT IM13 > J065 H SM7AED/
08191732+CT3FT 51/55 IM13CA>K002LG S SP5XMU
08201057 CT3FT 59+/59+ IM13 CEDRIC S G4UPS

UGANDA: # Gus, 5X1D, has just returned to Uganda after a break in Sweden. He now has a rotator on the antenna and is watching the [6m] band each day for TEP.

Reports of Asia (Middle East)

CYPRUS

06200852 5B4JE 57/53 KM64MJ >K15PA S YO7VS/P

GEORGIA

06161031 4L6PA 55/569 LW21 > K15 C YO7VS/P
06201107 4L6PA 55/559 LW21DW >K14 C YO7VS
06201157 4L6PA 55/55 LW21DW >K14VH S YO7VS
06230810 4L6PA 59+/59+ LW21 >K14VH S YO7VS
06231635 4L6PA 59/59 LW21DW >K002 S SP5XMU

ISRAEL

06150553 4X1IF/P 551/599 KM72> K15 C YO7VS/P
06150746 4X6UW 599/599 KM72 > K15 C YO7VS/P
06210722 4X4UR 59/59 KM72KE > K14 S YO7VS
06261302 4X6UW 59/59 KM72KD HAIFA S SP5XMU
08190745 4X5DB 599/599 KM72 >K14VH S YO7VS
08191316 4X6UW KM72 > J065 W SM7AED/

LEBANON

08101529 OD5RAK

KM74 > J065

SM7FJE

SULTANATE OF OMAN: Tony Selmes has arrived back in Oman for another two year tour, and is active on the bands with his old callign, A45ZN. Tony is still awaiting an experimental license for the 6 and 30m bands, but in the meantime he active on 6m from a friend's yacht using the callign ZS1D/mm. His grid locator is LL84.

Tony has an Icom 706 with a vertical antenna at present, but is planning to build a 6 element Yagi.

He has made his first contact on 6m using ZS1D/mm with Costas, SV1DH, on August 17 at 1206 UTC 559/519. He worked Costas again the following morning at 0725 UTC on SSB. Tony has also been hearing the SV9SIX and 5B4CY beacons on 6m. He has been calling frequently on 28.885 MHz, but so far has made contacts on the 6m liaison frequency. This info from his QSL manager, Ted Collins, G4UPS.

Reports of Asia (Far East)

HONG KONG

08041233 VR2EXY 50.110 S J11CPH
08041243 VR2KRW 50.110 S J11CPH
08101818 VR2EXY 50.110 S J11CPH
08111915 VR2EXY 50.120 S J11CPH

KOREA,S.

08051350 DS5AFL 50.240 S J11CPH
08051438 HL2GF, HL2TP 50.160 S J11CPH
08110928 HL5JQM 50.270 S J11CPH
08111023 HL5INU 50.128 S J11CPH
08111510 DS5AON 50.160 S J11CPH
08111735 HL5JDN 50.216 S J11CPH
08251430 HL2TP 50.110 S JH0BQX
08251451 HL1LTC 50.130 S JH0BQX

RUSSIAN FEDERATION (ASIA)

08041728 RW0CD 50.200 S JH0BQX
08041736 UA0QC 50.111 C JH0BQX
08110950 RW0CD 50.200 S J11CPH
08130930 RW0CD 50.200 S JA2-3
08251529 RW0CD 50.110 C JH0BQX

TAIWAN

08111901 BV5HH 50.125 S J11CPH
08111902 BV4PK 50.110 S J11CPH
08142000 BV5HH 50.125 S JA1-3
08192030 BV5HH 50.120 S JA2-3

Reports of Europe

EUROPE GENERAL

08100950 EUR INBAND TV STRONG >I092 I G4UPS/P
08101805+EUR INBAND TV > I092 I G4UPS/P
08121125 EUR INBAND TV > I092 I G4UPS/P
08191405+EUR INBAND TV STRONG I G4UPS

ALAND IS.

06231751 OHOKXE 59/59 JP90XG LEIF S SP5XMU
08020928 OH0MB JP90 > J066 TKOPO SM7AED
08030925 OH0MB 559 WKG G > I080JV H G4UPS
0803XXXX OH0MB JP90 > J065 SM7FJE

AUSTRIA

06111154 OH9FKI 59/59 JW47 >K002 S SP5XMU
08130638 OH2UKL 59/59 JW67>K002LG S SP5XMU
08191037 OH6BMG 499/449 JW77JE>K14 C YO7VS
08191530 OH6BMG 59 > I080JV H G4UPS
08191626 OH6MBD JW75 > J065 SM7AED/

BALEARIC IS.

06150923 EH6SA 59/57 JM19 > K15PA S YO7VS/P
08191642 EH6IF JM20 > J065 SM7AED/

BELARUS

08101344 EU1AB KO33 > J065 SM7FJE
08120904 EU1AA KO33 > J066 SM7AED

BELGIUM

06170957 OH4PE 57-9/59 J020KQ> K15 S YO7VS/P
06191132 OH1IM 59/53 J011UB >K15PA S YO7VS/P
07181855 OH1LVJ 59/59 J010 JOHN S SP5XMU
07181857 OH1LBS 59/59 J010QP STEVE S SP5XMU
08120021 OH4PE 47MS59 J020 >K002 S SP5XMU
08120907 OH4ABT 37MS37 J020 >K002 S SP5XMU

BULGARIA

06291614 LK1KDP K114 > KM74WK OD5RAK
07051516+LK3HH 59/59 KM23 PETIA S SP5XMU
07051520+LK2HW 59/59 KM23TB CRISO S SP5XMU
08041752 LK2KWW K113 > J066 SM7AED
08171949 LK1KPD K112 > J065 SM7AED/

CAPRI

08110817 IC8/W5KME JW60 > J065 SM7FJE
08141950 IC8/W5KME 53/53 JW60>K002 S SP5XMU
08191657 IC8/W5KME JW60 > J065 SM7AED/

CORSICA

06211013 TK/OM3LA 59/59 JW41>K002LG S SP5XMU

CROATIA

07131705 9A2DI 59/59 JH95IN>K002LG S SP5XMU
08071150 9A5I 59/59 JH95IM IVO S G4UPS/P
08191405+9A7V 59 > I080JV H G4UPS
08191640 9A3FT 59 > I080JV H G4UPS
08211924 9A3FT 55 WKG G > I080JV H G4UPS

CZECH REPUBLIC

06210727 OK1DX 59/59 JW69 > K114 C YO7VS
06231056 OK2BGM 59/59 JW > K114VH C YO7VS
06231121 OK1DOY 59/59 J060VP>K114VH S YO7VS
06231129 OK1UDX 59/59 JW79JF>K114VH S YO7VS
06231135 OK2BDS 59/59 JW97WF>K114VH S YO7VS
06231137 OK2XTE 59/59 JW97WF>K114VH S YO7VS
06231148 OK1MAC 59/59 JW79MP>K114 C YO7VS
08101300 OK > I092 G4UPS/P
08101401 OK1JL 59/59 J070WN JARDA S G4UPS/P
08191405+OK > I080JV H G4UPS
08191727 OK1UDX JW79 > J065 SM7AED/

DENMARK

06211045 OE2LD 59/59 > K114VH W YO7VS
06230856 OJ3EW 59/59 J054RS >K114VH S YO7VS
06230912 OE6ABA 57/59 J057DJ>K114VH S YO7VS
06231034 OE8ABE 59/59 J055 > K114VH S YO7VS
07071019 OE5BAL/P 59/59 J055KR>K002 S SP5XMU
07071020 OE7YY 59/59 J046>K002 S SP5XMU
07071026 OE1CDE 59/59 J065GP JAN S SP5XMU
07071028 OE9EDR/P 59/59 J064GX S SP5XMU
07071032 OE1ABA 59/59 J065GP>K002 S SP5XMU
07071033 OE1LIT 59/59 J065HP>K002 S SP5XMU
07071034 OE1JTE 59/59 J065ER>K002 S SP5XMU
07071036 OE7AMG/P 59/59 J065DT>K002 S SP5XMU
07071040 OE1ARE 59/59 J065ES JEMS S SP5XMU
07071041 OE3SE 59/59 J065AW S SP5XMU
07071055 OE1MAD 59/59 J057EL MARGIT S SP5XMU
08030822 OE2LD 57/55 MS > I080JV H G4UPS
08030930 OE8SE 559 BRIEFLY > I080 H G4UPS
08112350 OE1IB 47MS26 J055 MS S SP5XMU
08201940 OE6VHF 559 < 1945 > I080JV H G4UPS
08250903 OE2LD 55 MS > I080JV H G4UPS
08311159 OE5IQ 55 MS > I080JV H G4UPS

ENGLAND

06191059 G3MY 59/59 I093> K115PA C YO7VS/P
06191112 G3CGR 559/599 I081IS>K15 C YO7VS/P
06191114 G4IGO 559/559 I080> K115PA C YO7VS/P
06191118 G3COT 559/559 IO > K115PA C YO7VS/P
06191121 G3WGS 579/559 I091PH >K15 C YO7VS/P
06191133 G3BEM 58/57 I091 > K115PA C YO7VS/P
06191145 G4CVI 589/599 I090PW >K15 C YO7VS/P
06210716 G3FCY 59/55 I091 > K114VH S YO7VS
07021720 G7UCY 59/59 I090CR JOHN S SP5XMU
07021722 G7EXO 59/59 I091PG LARRY S SP5XMU
07021725 G1HUS 59/59 J000LX MIKE S SP5XMU
07051756 G4VPD 59/59 I094 MIKE S SP5XMU
07051756 G8GWT 55/55 I092 ROY S SP5XMU
07051758 G4VND 59/59 I092 ROGER S SP5XMU
07051801 G0PIK 59/59 J002EI S SP5XMU
07061026 G3BUD 59/59 I084 JOHN S SP5XMU
07061445 2E0AJE 59/59 I093OM S SP5XMU
07071051 G84HFD 55/55 I093BF S SP5XMU
07071709 G0THD 57/59 J000 PAUL S SP5XMU
07071710 G0NHG 59/59 J000QS ROGER S SP5XMU
07071713 G7GVE 59/59 I090 KEVIN S SP5XMU
07071720 G8VXH 59/59 J001 S SP5XMU
07071728 G8ETD 59/59 I070IF S SP5XMU
07071732 G0RJR 59/59 I091PG DAVE S SP5XMU
07071734 G1PKM 59/59 I091PG S SP5XMU
07071737 G1GVW 59/59 I090HX DAVE S SP5XMU
07081034 G7UTO 59/57 J001CN S SP5XMU
07081038 G7TCH 57/58 I091TM DAVID S SP5XMU
07081040 G4RKG 59/59 I091OH DAVE S SP5XMU
07081041 G8GMC 59/59 I082 MIKE S SP5XMU
07081042 G2HDU 57/58 I092 S SP5XMU
07100942 G7MOF 59/59 I092J1 MALCOLM S SP5XMU
07100948 G4ITF 59/59 I090KU MIK S SP5XMU
07100952 G7JCI 59/59 I082SP S SP5XMU
07101026 G0FUV 59/59 J000CX S SP5XMU
07101028 G8ACJ 59/59 I091 S SP5XMU
07101030 G0SBW 59/59 J001MS TOM S SP5XMU
07101031 G4SKR 59/59 I091NE S SP5XMU
07101034 G4FEB 59/59 I091HE S SP5XMU
07101035 G8GOW 59/57 I081UI S SP5XMU
07101036 G7UTB 59/59 J001 S SP5XMU
07101036 G8WRV 59/59 I092 S SP5XMU
07101043 G7WMI 59/55 I080FK S SP5XMU
07101044 G8GRT 59/59 I092UH RON S SP5XMU
07101045 2E1BGG 59/59 J001 S SP5XMU

07101107 GOTT 55/55 JO01DC S SP5XMU
07111726 G8DCJ 59/59 IO92 S SP5XMU
07111740 G6IQL 59/59 IO92AJ VINCE S SP5XMU
07111742 G4BMP 59/59 IO81XW ROGER S SP5XMU
07111747 G0IUE 58/58 IO81UJ JOHN S SP5XMU
07111748 G7PBT/QR 59/59 IO81FB S SP5XMU
07131920 G7HSE 59/59 IO81TM S SP5XMU
07131922 G0GMS 59/59 IO91UB S SP5XMU
07131922 G3FIJ 59/59 JO01KV S SP5XMU
07131923 G4IGO 59/59 IO80RV S SP5XMU
07131923 G8WVC 59/59 IO91PQ S SP5XMU
07131936 G3IBI 59/59 IO90JT S SP5XMU
07131938 G0VXE 59/59 IO81VA S SP5XMU
07131939 G7OJP 59/59 IO91LQ S SP5XMU
07131941 G7GJP 59/59 JO01AK S SP5XMU
07131942 G3BDL 59/59 JO01 S SP5XMU
07131943 G8BSP 59/59 IO80EU S SP5XMU
07132017 G8TWQ 57/52 IO82 DAVID S SP5XMU
07132019 G7BMJ 59/59 IO92IU ROY S SP5XMU
07132022 G7TYF 59/59 IO92IU SONYA S SP5XMU
07181837 G0HVQ 59/59 IO81VU DARYLL S SP5XMU
07181848 G1LMS 59/59 IO91 IAN S SP5XMU
07181851 G8HGW 59/59 IO91CM S SP5XMU
07181910 G7DWI 59/59 JO00 ANDY S SP5XMU
08050522 G4HBA > JO66 SM7AED
08050531 G6YIN IO93 > JO66 50.084 B SM7AED
08051150 G3PFP, G6HRH -1256 > JO65 SM7AED/
08051150 G3MY, G4DEE -1256 > JO65 SM7AED/
08061510 G8HUY/P > JO65 SM7AED/
08100915 G6STD 57/55 IO70FC DAVID S SP5XMU
08100916 G8HUY/P 59/59 IO91OB JOHN S SP5XMU
08100931 G1LME IO93 > JO65 SM7FJE
08100931 G6WEM 59/59 JO01OW REN S SP5XMU
08100952 G1LAB 59/59 JO01 KEN S SP5XMU
08100953 G3AUS 59/59 IO80 BOB S SP5XMU
08100959 G0JEO 57/58 IO92CC DAGLAS S SP5XMU
08101000 G1RST 59/59 IO91CM S SP5XMU
08101001 G2LCWV 57/55 IO70CJ S SP5XMU
08101002 G3KPT 59/59 IO92AM S SP5XMU
08101007 G3COJ 59/55 IO91PO S SP5XMU
08101442 G4UPS/P JO92 > JO66 SM7AED
08101808 G3KLL 59/59 IO93 S SP5XMU
08101922 G1WYC 59/59 JO02 STEVE S SP5XMU
08101952 G4GEU 59/59 IO92FM JARRY S SP5XMU
08130842 G8WNU 59/59 JO01OE GYNN S SP5XMU
08130845 G0AJC 59/59 JO01QJ MAC S SP5XMU
08130854 G4CQM 57/58 IO70 DERREKE S SP5XMU
08130856 G4WOO 59/59 JO01 MIKE S SP5XMU
08131045 G2ICSD 59/59 IO92 ANDY S SP5XMU
08131047 G3AKU 59/59 IO92 ROY S SP5XMU
08131054 G0TRB 59/59 IO92 ROGER S SP5XMU
08131110 G0DRM 52/58 IO83 DAVID S SP5XMU
08191342 G3VMJ 579/419 JO01GR> KM14 C Y07VS

ESTONIA

06231028 ES2RJ 599/599 >KM14VH C Y07VS
07061055 ES9C 59/59 KO28LU VALERI S SP5XMU
08101710 ES95EX 449 > IO92 G4UPS/P
08101717 ES8DE 559 > IO92 G4UPS/P
08110603 ES8DE KO63 > JO66 SM7AED
08110750 ES05IX 449 > IO92 B SM7AED/P
08110827 ES2RW 449 > IO92 G4UPS/P
08110841 ES1CW 579/579 KO29 ARVO G4UPS/P
08111125 ES2RJ/8 KO28 > JO65 SM7FJE
08181126 ES2RW 59/59 KO29MI BRUNO S SP5XMU
08191325 ES9BQ 599/599 KO38 >KM14VH C Y07VS

FAROE ISLANDS

07061314 OY9JD 59/59 IP62QA JOHN S SP5XMU
07061327 OY6FRA 59/59 IP62QA >KO02 S SP5XMU
08101007 OY9JD 559 BRIEFLY > IO92 H G4UPS/P
08102155 OY9JD IP62 > JO66 SM7AED
08110955 OY9JD > JO66 H SM7AED
08242015 OY9JD 569 auz 50.110 GM4DGT

FINLAND

06150603 OH3WLP 599/51 KP11 >KM15PA W Y07VS/P
06230743 OI3MF 599/599 KP20FR> KM14 C Y07VS
06231035 OH3WLP 59/59 KP11RK>KM14VH S Y07VS
06231135 OH1JJC 59/55 KO11 > KM14VH S Y07VS
07051714 OH6LMI 59/59 KP32BQ ARI S SP5XMU
07051901 OH5HQ 59/59 KP30ER >KO02 S SP5XMU
07061046 OH7KEH 55/55 KP32WH PETRI S SP5XMU
07061121 OH1MDR 59/59 KP01VJ TIMO S SP5XMU
07061124 OH3WQ 59/59 KP21GE BERO S SP5XMU
07061127 OH3LWR 57/59 KP11 PAUL S SP5XMU
07061134 OI3MF 59/59 KP20 RAIL S SP5XMU
07061135 OH5LEP 59/59 KP30 EGIL S SP5XMU
07061137 OH3WLP 59/59 KP11RK >KO02 S SP5XMU
07061201 OH2BGM/H 59/59 KP20 ART S SP5XMU
07061230 OH3LI 59/59 KP11TM JUHA S SP5XMU
08070940 OH9EX > JO65 B SM7AED/
08090836 OH3MF/9 55/57 KP36UW RAUMO S SP5XMU
08101700 OH9EX -1900 > JO66 B SM7AED
08110745 OH7MHG KP33 > JO65 SM7FJE
08120842 OH2BC KP20 > JO66 SM7AED
08131132 OH3LWV 59/59 KP30TH HARRY S SP5XMU/
08181205 OH3WLP KP11 > JO65 SM7AED/
08191125 OH5EK 599/459 KP40AW> KM14 C Y07VS
08201100 OH9SIX KP36 > JO66 B SM7AED
08201216 OH5LIE 59/59 KP40AW>KM14VH W Y07VS
08201232 OH5EK 579/449 KP40AW> KM14 C Y07VS
08221015 OH9SIX > JO66 B SM7AED

FRANCE

06171002 FIDLJ 33/56 QSB > KM15PA S Y07VS/P
06210725 F8OP 599/599 JH26MH > KM14 C Y07VS
06210823 F1CH 59/53 JH23VE > KM14 C Y07VS
06211040 F1YL 59/59 JH17ET > KM14 C Y07VS
06220935 F6GPT 55/57 IN96 JOHN S SP5XMU
07071727 F5VVK 59/59 JH07QC S SP5XMU
07080847 F7PAOIH 59/59 JH33 HEKK S SP5XMU
07080905 F6HTJ 55/55 JH12KQ S SP5XMU
07111745 F1DVO 59/59 JH09 S SP5XMU

07181846 F1CWB 59/59 JH09DM S SP5XMU
07181853 F5JSK 59/59 JH19LX LUIS S SP5XMU
07181917 F1LAT 59/59 JH09BM S SP5XMU
08032031 F6GEC 599 > IO80JV H G4UPS
08041919 F1SNG/P IN93 > JO66 SM7AED
08051705 F7P/LOU 559 > IO92 H G4UPS/P
08071155 F1RUK 57/55 JH26 S SP5XMU
08071158 F1DMS 59/57 JH26MB S SP5XMU
08071232 F1RUK JH26 > JO65 SM7AED/
08101801 F6EUF 59/59 JH18EU S SP5XMU
08110849 F1USP 59/59 JH23KN FABRICE S SP5XMU
08120749 F6JOF JH09 > JO66 SM7AED
08191717 F5OSH 55/57 JH13CO S SP5XMU

GERMANY

06150759 DL3AMA 599/599 JO51 > KM15 C Y07VS/P
06170928 DF22Q 589/579 JO31HL >KM15 C Y07VS/P
06170937 DF3EF 589/579 JO40CC> KM15 C Y07VS/P
06170940 DK3RV 59/59 JO31 > KM15PA S Y07VS/P
06170941 DL9GQ 57/58 JH49FK>KM15PA S Y07VS/P
06170945 DL8FBD 57/55 JO40KA > KM15 S Y07VS/P
06171003 DJ5TK 59/59 JH49DA> KM15PA S Y07VS/P
06171006 DL2GBT 57/57 QSB > KM15PA S Y07VS/P
06230925 DL7ULM 59/59 BERLIN>KM14VH S Y07VS
06231014 DJ1OJ 599/599 JH58SE >KM14 C Y07VS
06231022 DK3AX 599/599 JH59DV >KM14 C Y07VS
06231048 DL1EJA 569/599 JO27>KM14VH C Y07VS
06231106 DJ4PI 59/59 JH49 > KM14VH S Y07VS
06231126 DL4BBU 58/59 JO31LP>KM14VH S Y07VS
06231132 DL3AMA 57/57 JO51MD>KM14VH S Y07VS
06231139 DL4ALI 59/57 JO50JW>KM14VH S Y07VS
06231140 DL6WCI 59/59 JO50VIT>KM14VH S Y07VS
06231148 DL3JMM 599/599 JO60CM>KM14 C Y07VS
06231151 DJ6AM 599/599 JO51JW>KM14 C Y07VS
06231205 K3RV 58/55 > KM14VH S Y07VS
06300711 DL9UDH JO71 > KM74WK OD5RAK
07111738 DJ6XV 59/59 JO31LQ PETER S SP5XMU
08101300 DL > IO92 G4UPS/P
08101358 DL2RM 59/59 JO61UC RUDI S G4UPS/P
08101402 >DL3HRM, DL6AM 59 > IO92 H G4UPS/P
08120007 DL8HCZ 37MS37 JO30BR>KO02 S SP5XMU
08120010 DL3IAE 47MS37 JH49 >KO02 S SP5XMU
08120022 DL1EJA 37MS57 JO31 >KO02 S SP5XMU
08120908 DF3RC 37MS55 JO32 >KO02 S SP5XMU
08120909 DK3RV 37MS55 JO21 >KO02 S SP5XMU
08121002 DF4IE 27MS59 JH48 >KO02 S SP5XMU
08121003 DK7EP 35MS59 JH48 >KO02 S SP5XMU
08121010 DF5LQ 47MS55 JO44 >KO02 S SP5XMU
08191249 DJ4BO 55/57 JO44 > KO02 S SP5XMU
08191350 DL7PD 579/579 JO62BO> KM14 C Y07VS
08191543 DL4ALI 59/59 JO50JW>KM14VH S Y07VS
08191600 DF8AA 599 > IO80JV H G4UPS

GIBRALTAR

08101051 >SB2EO 559 > IO92 G4UPS/P

GREECE

06300641 SV1UUE KM18 > KM74WK OD5RAK
06300646 SV8QG KM18 > KM74WK OD5RAK
06300703 SV1VDH KM39 > KM74WK OD5RAK
06300717 SV1BIX KM17 > KM74WK OD5RAK
07141641 SV7BVT KM25 > KM74WK OD5RAK
07241345 >SV1VDH 59/59 KM27 > KO02 S SP5XMU
08013530 SV > KM74WK OD5RAK
08013850 >SV1BIX 579, SV9BIX 449 B G4UPS
08041754 SV8QG KM39 > JO66 SM7AED
08051614 SV2CLL KM10 > JO65 SM7FJE
08051617 SV8QG KM39 > JO65 SM7FJE
08100812 SV1VDH KM27 > JO65 SM7FJE
08101700 SV1VDH, SV1OH -1900 > JO66 H SM7AED
08101700 SV1BIX, SV9BIX -1900 B SM7AED
08110738 SV1DH KM27 > JO66 SM7AED
08110900 SV8AXE 59/59 KM07 > KO02 S SP5XMU
08141615 SV1GN/8 57/59 KM38 TBOHIO S SP5XMU
08141650 SV8/F2VX KM08 > JO65 SM7FJE
08191251 SV8AQY 59/59 KM08 > KO02 S SP5XMU
08191430 SV1DH KM27 > JO65 H SM7AED/
08191430 SV1BIX, SV9BIX > JO65 B SM7AED/
08191612 SV7BVE KM21 > JO65 SM7FJE

GUERNSEY

06071656 GU7DHI 59/59 IN89RL AL S SP5XMU

HUNGARY

08100735 HA8BE KM06 > JO65 SM7FJE
08120820 HA6EB JH97 > JO66 SM7AED

IRELAND

07111808 >EI8ESB 59/59 IO52RQ> KO02 S SP5XMU
08101454 EI7GL IO51 > JO66 SM7AED
08121012 EI8HE IO64 > JO65 SM7FJE
08122103 EI8HE > JO66 H SM7AED
08130627 EI7GL IO51 > JO66 SM7AED

ISLE OF MANN

06191126 GD3AUV 559/559 IO74 > KM15 C Y07VS/P
06210911 GD7KHG 57/57 IO74VE DAVE S SP5XMU
08101716 GD7KHG IO74 > JO65 SM7FJE

ITALY

06180955 IKOFTA 59/59 JH61 > KM15PA S Y07VS/P
06300651 IK6GPE JH62 > KM74WK OD5RAK
07011745 IK7JNL 59/59 JH81 > KO02 S SP5XMU
07061148 I6ADU 59/59 JH72FG BOB S SP5XMU
07061649 IK1NAO 59/59 JH34TW >KO02 S SP5XMU
07071052 IK8SOL 59/59 JH71EB >KO02 S SP5XMU
07080825 IK3-OR3UKL 59/59 JH55 KURT S SP5XMU
07080831 I4CIL 59/59 JH64AH FRANCO S SP5XMU
07080835 IK1SLI 59/59 JH35UI GANNI S SP5XMU
07080900 IAS/OR3ABA 59/59 JH52BS S SP5XMU
07101443 IG9/DK0FTG LAMPEDUSA IS S SP5XMU
07101443 IG9/DK0FTG 55/53 JH65HM S SP5XMU

07131726 >IH9/DK0FTG 59/59 JH66AT S SP5XMU
07131741 IK8LBS 59/59 JH70 >KO02 S SP5XMU
07171514 I4CIL JH64 > KM74WK OD5RAK
07171520 IK4DRY JH64 > KM74WK OD5RAK
07251746 IK4EWS 59/59 JH54XL >KO02 S SP5XMU
07251752 IK5RQL 59/59 JH53 > KO02 S SP5XMU
08031530 I & 1850 BTRONG G
08031850 >IKOBAL 59 > IO80JV H G4UPS
08031917 IOXK 59/59 JH61 TONI S G4UPS
08031949 IKMTE 599/599 JH35UB DIEGOC G4UPS
08031949 >IOMYE 59 > IO80JV H G4UPS
08031949 >I4EVQ 599 > IO80JV H G4UPS
08032031 >IV3KVC 59 > IO80JV H G4UPS
08051624 IK00Y 59/59 JH61 > IO92 G4UPS/P
08051628 IOXK 599/599 JH61 > IO92 G4UPS/P
08100659 IKOBAL 59+/59+ JH62FB>IO92 S G4UPS/P
08110720 ID9/I2AEQ 59/59 JH78>KO02 S SP5XMU
08110853 IK5JWQ 59/59 JH52 > KO02 S SP5XMU
08110904 IOVVW 59 > IO92 G4UPS/P
08110912 IK5OEA JH53 > JO66 SM7AED
08110926 IK2QDX 59/59 JH61FV >KO02 S SP5XMU
08110927 ILOXZ 59/59 JH44 > KO02 S SP5XMU
08112330 IK3GLD 37MS37 JH61FV MS S SP5XMU
08120938 IK5RPL JH52 > JO66 SM7AED
08191127 IAS/IK2OFO 59/59 JH52BT S SP5XMU
08191132 IK6TJ 59/59 JH72 >KO02 S SP5XMU
08191208 IK8LBS 59/59 JH89 >KO02 S SP5XMU
08191254 IK7XGF JH71 > JO65 W SM7AED/
08191564 IK6TJ 59/59 JH72AJ VINCE S G4UPS
08201210 I4CIL 59 < 1300 > IO80JV H G4UPS
08221914 IK0OKY JH61 > JO66 SM7AED
08222046 IK3GLD 599/559 JH53QQ C G4UPS

JAN MAYEN

08112049 JX7DFA IQ50 > JO66 SM7AED
08201405 JX7DFA IQ50 > JO66 B SM7AED

JERSEY

06191047 GJ4ICD 599/599 IN89>KM15PA C Y07VS/P
08101520 GJ4JVP IN89 > JO65 SM7FJE

LATVIA

08101710 YL2MU 599 > IO92 G4UPS/P
08101717 YL2KL 599/599 KO27 > IO92 C G4UPS/P
08110756 YL3AG 569 > IO92 G4UPS/P
08120835 YL/DF1EX 59 > IO92 G4UPS/P

LIECHTENSTEIN

08150931 HB0/HB9QQ 599/599 JH47 C Y07VS

LITHUANIA

08101730 LX/DJ10J 599/599 KO05MT C G4UPS/P
08111539 LX/DJ10J 559 > IO92 G4UPS/P
08117700 LX/DF1EX 59 59 KO05>KO02 S SP5XMU M
08111827 LX/DF1EX 559/559 KO05>IO92 C G4UPS/P
08112246 LX/DF1EX KO05 > JO65 SM7FJE
08120805 LX/DJ10J/P KO05 > JO66 SM7AED
08120924 LX/DF1EX/P KO05 > JO66 SM7AED
08130827 LX/DJ10J/P KO05 > JO66 SM7AED

MACEDONIA

07051438 I32DR KM01 > KM74WK OD5RAK
07141646 I32MA KM02 > KM74WK OD5RAK
08031850 I32MA 44 > IO80JV H G4UPS
08051638 I32MA KM02 > JO65 SM7FJE
08191045 I32FC 55/53 KM01RX>KO02 S SP5XMU

MALTA

06150618 9H1GP 57/599 JH75 > KM15 W Y07VS/P
06150742 9H1PA 59/55 JH75 > KM15PA S Y07VS/P
06150913 9H1CG 599/599 JH75 > KM15 C Y07VS/P
06151043 9H5ER 57/59 JH75 > KM15PA S Y07VS/P
06201252 9H5ET 55/55 JH75GU >KM14VH S Y07VS
08031530 9H G
08032031 >9H1BT 559 > IO80JV H G4UPS

NETHERLANDS

06150810 PA2TAB 57/59 JO32 > KM15PA S Y07VS/P
06170918 PA0LSB 339-589/559 JO21 C Y07VS/P
06170924 PE1OUC 599/559 JO22MD>KM15 C Y07VS/P
06170926 PB0ALN 599/559 JO22QD>KM15 C Y07VS/P
06170930 PA0AHP 599/599 JO21 > KM15 C Y07VS/P
06170933 PA0LOU 599/579 JO21L>KM15 C Y07VS/P
06231109 PA3AKU 57/59 JO21TV>KM14VH S Y07VS
06231115 PA0PHG 599/599 JO22IA>KM14 C Y07VS
06231118 PA3GML 599/579 JO22SA>KM14 C Y07VS
06231119 PA0HIP 59+/59 JO21 >KM14VH S Y07VS
06231120 PA0PHG 59/59 JO22IA>KM14VH S Y07VS
06231123 PA0PVW 59/59 JO21VX>KM14VH S Y07VS
06231127 PE1OYU 59/59 JO22IH>KM14VH S Y07VS
06231128 PE1PES 59/59 JO21DV>KM14VH S Y07VS
06231133 PA3DDY 59/59 JO21BV>KM14VH S Y07VS
07061515 PE1OXT 59/59 JO22PE PIET S SP5XMU
07061516 PE1PER 59/59 JO22FE ARI S SP5XMU
07061523 PE1EBJ 59/59 JO21 S SP5XMU
07061524 PE1MMP 59/59 JO21US >KO02 S SP5XMU
07061525 PE1MME 59/59 JO21ES >KO02 S SP5XMU
07081032 PE1OYU 59/59 JO22IH KEES S SP5XMU
07081036 PA3HNA 59/59 JO22CC KEES S SP5XMU
07081039 PE1RTE 59/59 JO22OE ROBERT S SP5XMU
07100943 PA3AKU 55/59 JO21 >KO02 S SP5XMU
07100953 PE1OCH 55/59 JO22 THEO S SP5XMU
07101037 PE1WIL 57/55 JO21 >KO02 S SP5XMU
07101041 PE1WIL 59/59 JO21IX >KO02 S SP5XMU
07111731 PE2TVL 59/59 JO21IS >KO02 S SP5XMU
08101402 PA3AKU 59/53 JO21TV GERARD S G4UPS/P
08120001 PA0HIP 37MS37 JO21 MS S SP5XMU
08120022 PA0RDY 37MS37 JO22 MS S SP5XMU
08120022 PE1ONP 37MS37 JO22KI MS S SP5XMU
08191107 PB0ANX 59/57 JO22 > KM14VH S Y07VS

N. IRELAND

08101713 G10VQ > IO74 > J065 SM7FJE
081109555 GT1XKL > J066 H SM7AED

NORWAY

07051637>LA5TFA 59/59 JP99LQ S SP5XMU
07062122>LA2PFA 59/55 J0381B STRIB S SP5XMU
07071121 LA9DM 59/59 J059LF LRIFF S SP5XMU
08011839 LA/SM6CMU JP88 MS+SCATTER SM7AED
08011849 LA/SM6CMU JP88 > J065 SM7FJE
08021624 LA/SM6CMU JP98 MS > J066 SM7AED
08071056 LA78IX JP99 > J065 B SM7AED/
08110849 LA9IX/P JP52 > J065 SM7FJE
08110944 LA78IX JP99 > J066 B SM7AED
0816 LA5TFA/P KP09 > J065 SM7FJE
08162004 LA5TFA/P KP09 > J065 SM7AED/
08221000 LA78IX JP99 > J066 B SM7AED
08221024 LA5TFA JP99 > J066 SM7AED
08241503 LA0GF 559 MS > IO80JV H G4UPS

POLAND

06230905 SP2IQW 59/59 J094GM>KN14VH S YO7VS
06230908 SP4MPB 59/59 K003GS>KN14VH S YO7VS
06231048 SP5CCC 59/59 K002HF>KN14 C YO7VS
06231049 SP5BS 59/59 K002NH>KN14 C YO7VS
07131700 SP8MCJ K012 > KM74WK OD5RAK
08101805 SP1MQW 599 > IO92 G4UPS/P
08101805>SP2MJ 59 > IO92 G4UPS/P
08101816 SP2WJE 59 > IO92 G4UPS/P
08101823 SP8MCJ 59 > IO92 G4UPS/P
08111404 SP6CPH/1 J074 > J066 SM7AED
08111641 SP6CPH/1 J074 > J065 SM7FJE
08112304 SP5OWB K002 > J065 SM7FJE
08112321 SP6CPH/1 59 59 J074>K002 S SP5XMU M
08122009 SP6UBA/1 > J065 SM7FJE
08130833 SP6UBA/1 J072 > J066 SM7AED
08190955 SP6CPH/1 59/59 J074OC>KN14 S YO7VS
08190957 SP6RLA 59/57 J081MC>KN14VH S YO7VS
08190958 SP6VW 59/59 J081CJ>KN14VH S YO7VS
08191600>SR5SIX 599 > IO80JV H G4UPS
08191624 SP3MPI 59/59 J091BS > IO80 G4UPS
08211933 SP5BS 55 > IO80JV H G4UPS
08211933>SR5SIX 569 > IO80JV H G4UPS
08220936 SP8MCJ 59/59 K012RC < 0955 G4UPS
08221623 SP2HMF ttop J094 > J066 SM7AED
08221943 SP5BS 59 > IO80JV H G4UPS
08222048 SP2MJ 59 > IO80JV H G4UPS

PORTUGAL

06150932 CT1BQH 599/569 IM59BL>KN15 C YO7VS/P
08041919 CTOWW > J066 B SM7AED
08100750 CTOWW > J066 B SM7AED
08101007>CTOWW 599 > 1730 > IO92 B G4UPS/P
08101051 CT1BQW 59/59 IM50 TOWY S G4UPS/P
08101700 CTOWW -1900 > J066 B SM7AED
08111530 CT1BWU 59 > IO92 G4UPS/P
08111555 CTOWW 569 > IO92 B G4UPS/P
08121100 CTOWW IM61 > J066 B SM7AED
08161747 CT1DRB 599/599 IM58LO DAVE C G4UPS/P
08161747>CT1BEX 59 > IO92 G4UPS/P

RHODES (Dodecanese Is.)

06101553>SV5/DL88ET 55/55 KM46 S SP5XMU

ROMANIA

06150624 YO7V/P 55/59 KM24 > KN15 S YO7VS/P
06300555 YO2IB KM05 > KM74WK OD5RAK
08191236 YO7KAJ 59/59 KM14VH>K002LG S SP5XMU
08191238 YO7KAJ KM14 > J065 W SM7AED/
08191333 YO7/I4BXH KM34 > J065 W SM7AED/
08191405>YO7V > IO80JV H G4UPS
08191603 YO7/I4BXH KM34 > J065 SM7FJE
08191654>YO2IB 599 > IO80JV H G4UPS

Russian Federation (Europe)

06230750 RA3YO 59/59 KO73DO >KN14VH S YO7VS
07661000 RA8414 59/59 KO59 FM F SP5XMU
07661100 RA8414 ONLY1 ST.PETERSBUR F SP5XMU
07661100 RA8414 RUSSIAN LANGUAGE F SP5XMU
08100758 RA3YO KO73 > J065 SM7FJE
08101344 UA1WJ KO47 > J065 SM7FJE
08111025 RA3YO KO73 > J066 SM7AED
08191355 UA1WJ KO74 > J065 SM7AED/
08201100 UA -1300 KP68 50.002 B SM7AED
08221015 UA BRACON KP68>J066 50.002 B SM7AED

SAN MARINO

08191213>T72EB/A 59/59 JM63FW>K002 S SP5XMU
08191306 T72EB/A JM63 > J065 W SM7AED/
08191913 T72EB/A 59/59 JM63FW RIK S G4UPS
08201210 T72EB/A 59 < 1300 > IO80JV H G4UPS

SARDINIA

06150942 IO8QDV 59/53 JM49 > KN15PA S YO7VS/P
06151107 IO8AGY 57/59 JM49 > KN15PA S YO7VS/P
06180945 IO8QDV 59/59 JM49PP>KN15PA S YO7VS/P
07051023 IO8/I2ADW 59/59 JM41OK S SP5XMU
07131825 IO8/I2ADW 59/59 JM40>K002 S SP5XMU
08191307 IO8QDV 59/59 JM49PP>KN14VH S YO7VS
08191315 IO8QDV 59 > IO80JV H G4UPS
08191406 IM0JEJ 59/59 JM49FB>K002 S SP5XMU

SCOTLAND

07060955 GM4JWA 59/59 IO87 JOHN S SP5XMU
07061027 GM78JC 55/55 IO87KQ >K002 S SP5XMU
07061030 GM7ASW 57/59 IO87TA CHARLI S SP5XMU
07100440>GM1TDU 57/51 IO87WE JOHN S SP5XMU
07100919 GM4BIT 58/59 IO75QR >K002 S SP5XMU
07101027 GM3PPJ 57/59 IO75 >K002 S SP5XMU
07101039 GM7OMU/M 57/59 IO85JW>K002 S SP5XMU

08050535 GM3WYL > J066 SM7AED
08101700 GB3MBC -1900 > J066 B SM7AED
08101709 GM0SGH IO86 > J065 SM7FJE
08102114 GM4ODA/P IO66 > J065 SM7AED
08102128 GM4ODA/P IO66 > J066 SM7AED
08110936>GM4ODA/P 55/53 IO66 >K002 S SP5XMU
08111124 GM4ISM > J066 SM7AED
08111141 GS4BJC/P IO68 > J065 SM7FJE
08111220 GM4DMA IO97 > J065 SM7FJE
08120635 GM4ODA/P IO66 > J066 SM7AED
08131053 GM4IG8 59/59 IO75QM MIKE S SP5XMU

SERBIA

07051440 YU1UE KM04 > KM74WK OD5RAK
07061721 YU1QC 59/59 KM04 IVAN S SP5XMU
07081902 YU1UE KM04 > KM74WK OD5RAK
07140510 YU18IX > KM74WK B OD5RAK
07140538 YU1AU KM04 > KM74WK OD5RAK
07171515 YU1QC KM04 > KM74WK OD5RAK
07171516 YU1AU KM04 > KM74WK OD5RAK
08031530 YU 599/599 KM04CP EKA C G4UPS
08032031 YU1AU 599/599 KM04CP EKA C G4UPS/P
08071145 YU1ABA 579 > IO92 H G4UPS/P
08112313 YU1UE 26MS59 KM04 MS S SP5XMU
08171955 YU1AU KM04 > J065 SM7AED/
08180739 YU1UE KM04 > J065 SM7AED/
08191315>YU18M 55 > IO80JV H G4UPS
08191405 YU1AU 59 > IO80JV H G4UPS
08191640>YU18M 59 > IO80JV H G4UPS
08191727 YU1AY KM04 > J065 SM7AED/
08201705 YU1AU 59/59 KM04CP EKA S G4UPS
08222048 YU18M 57 > IO80JV H G4UPS

SICILY

06150623 IT9EKO 59/57 JM76 > KN15 S YO7VS/P
07131743 IT9IPQ/IT9 59/59 JM78SG S SP5XMU
07140715 IT9ISW 59/59 JM67 S SP5XMU
07251818 IT9MDW 57/59 JM68 FRANK S SP5XMU
08041651 IT1MTS JH35 > J066 SM7AED
08191315>IT9/I2KAJ 59 > IO80JV H G4UPS
08201830 IT9THD 59/59 JM68>K002 S SP5XMU
08201833 IT9THD JM68 > J066 SM7AED

SLOVAKIA

06231125 OM5KM 59/59 JM98AH>KN14VH S YO7VS
08120839 OM3CM JH88 > J065 SM7FJE
08191405>OM > IO80JV H G4UPS
08191600>OM3ID 59 > IO80JV H G4UPS

SLOVENIA

08031530 65 G
08031850>653BH 599 > IO80JV H G4UPS
08031949>655ERS 559 > IO80JV B G4UPS
08032029 659A 59/59 JM76 DRAGO S G4UPS
08110848 651CN 59/57 JH65 > K002 S SP5XMU
08110924 658J 57/59 JH76 > K002 S SP5XMU
08110942 653FO JH76 > J066 SM7AED
08110945 658J JH87 > J065 SM7FJE
08191250 652W > J065 W SM7AED/
08191352 656A 599/599 JM76GB>KN14VH C YO7VS
08191355 651MQ 59 > IO80JV H G4UPS
08191403 653BB 59/59 JM76HF >KN14VH S YO7VS
08191530>653BB 599 > IO80JV H G4UPS
08191538 652W 59/59 JM75 > K002 S SP5XMU
08191640>659A 599 > IO80JV H G4UPS
08201640 655ERS 599 > IO80JV B G4UPS
08201920 659A 559 CLG CQ > IO80JV H G4UPS
08222040>651MQ 59 > IO80JV H G4UPS
08222050 651WX 599/599 JM75 DUSTAN C G4UPS

SPAIN

06151123 EH3EM 59/59 JW11CM > KN15 S YO7VS/P
06151137 EH3IH 59/56 JW11 > KN15PA S YO7VS/P
07061739 EHYB/3 59/59 JW01XQ>K002 S SP5XMU
08032020 EH3JA 59, EH1EH 55 > IO80 H G4UPS
08032031>EH3BTD 59 > IO80JV H G4UPS
08041654 EH3BTE JH01 > J066 SM7AED
08041843 EH5DIT IM99 > J066 SM7AED
08051555 EH17A/P 59 > IO92 H G4UPS/P
08051611 EH7KW IM67 > J065 SM7FJE
08071236 EH3JA JW11 > J065 SM7AED/
08100822 EH3JA 59/59 JW11HR JOE S G4UPS/P
08100828 EH3DUW 59/59 JW12LG PEDRO S G4UPS/P
08100940 EH3MD 59 > IO92 G4UPS/P
08100949 EH1EH 599/599 IM82PO> IO92 C G4UPS/P
08100954 EH3AZW 59/59 IM82QU ABILIO S G4UPS/P
08101007 EH1KV 599/599 IM52 ANDRES C G4UPS/P
08101051>EH7FL 59 > IO92 G4UPS/P
08110842 EH3EO 59/59 JW01UF > K002 S SP5XMU
08111544 EH1KV 379 > IO92 G4UPS/P
08121016 EH3JA 4BM59 JW11 MS S SP5XMU
08121107 EH1EH IM82 > J066 SM7AED
08161802 EH1KV 599/599 IM52 > IO92 C G4UPS/P
08161815 EH1EP 37/56 IM62QM JOSE S G4UPS/P
08172306 EH1V W VE1PI
08191248 EH1EH IM82 > J065 W SM7AED/
08191654>EH3 > IO80JV H G4UPS
08201152 EH1EH IM82 > J066 SM7AED
08201735 EH3CHN, EH3BTE 59 < 1800 H G4UPS

SWEDEN

06150614 SM7AED 599/599 J066 > KN15 C YO7VS/P
06150735 SM7FJE 599/599 J065 > KN15 S YO7VS/P
06190810 SM0AJU 559/579 J099IS>KN15 C YO7VS/P
06190814 SM6CMU 559/559 J057XK>KN15 C YO7VS/P
06190828 SM7FJE 599/599 J065>KN15PA C YO7VS/P
06190830 SM7CMV 599/599 J075>KN15PA C YO7VS/P
06230924 SM1LPU 59/59 J097CK>KN14VH S YO7VS
06231909>SM4POB 59/59 JP70FK >K002 S SP5XMU
07060801 SM6HFE 59/59 J057 >K002 S SP5XMU
07060959 SM6CHH 59/59 J099AI >K002 S SP5XMU
07071029 SM7AFI 59/59 J066GE >K002 S SP5XMU
07071038 SM7FJE 59/59 J065 BOB S SP5XMU

07071044 SM6CMU 59/59 J057XK INGO S SP5XMU
07071059 SM6BHY 59/59 J067CL >K002 S SP5XMU
07071158 SM3BRY 59/59 JP82QE >K002 S SP5XMU
07131712 SM7FJE J065 > KM74WK OD5RAK
07131715 SM7AED J066 > KM74WK OD5RAK
08010507 SM3BIU JP73 MS > J066 SM7AED
08010748 SM7AED 569/559 > IO80JV C G4UPS
08020738 SM3GSK JP81 > J066 SM7AED
08020748 SM7AED 569/459 J0754 599 C G4UPS
08030719 SM7AED 599/599 J066 > IO80 C G4UPS
08070752 SM7AED 559/339 > IO92 C G4UPS/P
08071025 SM2HTM KP07 > J065 SM7AED/
08090745 SM7AED 579/579 > IO92 C G4UPS/P
08100758 SM5TSL 55 > IO92 G4UPS/P
08101402>SM1LPU 55 > IO92 H G4UPS/P
08101438 SM4DHN 59/59 JP60VD LARS S G4UPS/P
08101441 SM7AED 599/559 J066 > IO92 C G4UPS/P
08101455 SM3EQY 59 > IO92 G4UPS/P
08102100 SK3SIX 559 > IO92 B G4UPS/P
08110653 SM7FJE 559/559 J065 > IO92 C G4UPS/P
08110719 SM7AED 599/599 J066 > IO92 C G4UPS/P
08110904 SK3SIX 579 > IO92 B G4UPS/P
08112240 SM7CMV 37MS59 J075 MS S SP5XMU
08120745 SM7AED 579/569 J066 > IO92 C G4UPS/P
08130745 SM7AED 569/469 > IO92 C G4UPS/P
08181300 SM3GSK 59/59 JP81JE >K002 S SP5XMU
08210750 SM7AED 579/449 J066 > IO80 C G4UPS
08220751 SM7AED 569/549 > IO80JV C G4UPS
08240751 SM7AED 569/549 > IO80JV C G4UPS
08250719 SM7AED 559/339 > IO80JV H G4UPS
08260747 SM7AED 559/339 > IO80JV H G4UPS
08280747 SM7AED 559/459 > IO80JV H G4UPS
08290752 SM7AED 559/339 > IO80JV H G4UPS
08310747 SM7BQD 559/559 JO > IO80JV C G4UPS

SWITZERLAND

08110955>HB9OAB > J066 H SM7AED
08191540 HB9SLO/M JH36 > J065 SM7AED/
08201210>HB9OAB 59 < 1300 > IO80JV H G4UPS

UKRAINE

06230900 UXOFF 59/59 KM45HI MIKOL S SP5XMU
07071002>UR4LL 59/59 KO70XG > K002 S SP5XMU
08051735 UR4LL KM79 > J065 SM7FJE
08071105 UR4LL KM79 > J065 W SM7AED/
08101103 UR4LL KO70 > J065 SM7FJE
08101110 UR4LL > J066 H SM7AED
08110825 UX01B KM39 > J065 SM7FJE
08110827 UX01B KM87 > J066 SM7AED

WALES

06191111 GW4VEQ 559/559 > KN15PA C YO7VS/P
06191120 GW4VEQ 559/559 > KN15PA C YO7VS/P
07101055 GW0SEK 55/55 IO72 > K002 S SP5XMU
07111734 GW8BKL/ 59/59 IO71QS ERIC S SP5XMU
07111745 GW8DUW 59/59 IO81BP RON S SP5XMU
08051150>GW6VW -1256 > J065 SM7AED/
08061515 GW6VW J001 > J065 SM7AED/
08130847 GW1MCD 59/59 IO81 ALAN S SP5XMU
08241455 GW3LDH 579/559 ALAN > IO80 C G4UPS
08291033 GW3HBR/P 559/559 IO72 BRIANC G4UPS

Reports of North America

This month's TV and FM DX reports via Es and MS were submitted by Danny Ogletorpe, Shreveport, LA; Jeff Kruszka, Baton Rouge, LA; Pat Dyer, WA5IYX, San Antonio, TX; Mike Cherry, VE7SKA, Salt Spring Is., BC; James Pizzi, Paso Robles, CA; Eric Bueneman, N0UIH, Hazlewood, MO; and Frank Aden, N7SOK, Boise, ID.

ALASKA

09100550 KL7MO 59+20 auE -0600>DO33 S VE6MK

CANADA, Eastern

| Call | Time | Mode | Frequency | Remarks |
|----------------|---------|------|-----------|------------|
| 07112200 CBAT1 | 6 MB | > MO | | T BUENEMAN |
| 07261758 CHFD | 4 ON | > LA | 1130 | T OGLETORP |
| 07261758 CKPR | 2 ON | > LA | 1130 | T OGLETORP |
| 08061715 CBLT | 5 ON | > LA | | T OGLETORP |
| 08061857 CKCO | 2 ON | > LA | 1103 | T OGLETORP |
| 08091455 CHBX | 2 ON | > LA | 1098 | T OGLETORP |
| 08091550 unID | 4, 5 ON | > LA | | T OGLETORP |
| 08091600 CKCO | 2 ON | > LA | 1103 | T OGLETORP |
| 08161336-VE1EE | | | | W KH17A/P |
| 08162000 CBFT | 2 PQ | > LA | 1414 | T OGLETORP |
| 08171716 CKVR | 3 ON | > LA | 1130 | T KRUSZKA |

CANADA, Western

| Call | Time | Mode | Frequency | Remarks |
|-----------------|-------|---------|-----------|------------|
| 08010302 CKND2 | 2 MB | > LA | 1279 | T OGLETORP |
| 08160300-VE7 | | > CM88 | | K6QXY |
| 08170235 CKND2 | 2 MB | > LA | 1279 | T OGLETORP |
| 08170305 CKYB | 4 MB | > LA | 1247 | T OGLETORP |
| 08290145 VE6XT | 020° | au DO21 | > CM88 | S VE7SKA |
| 08290215 VE6SO | 020° | au DO21 | > CM88 | S VE7SKA |
| 08290217 VE6MTT | 015° | au DO31 | > CM88 | S VE7SKA |
| 08290306 VE6EMU | 040° | au DO33 | > CM88 | S VE7SKA |
| 08290328 VE6ARC | 030° | au DO05 | > CM88 | S VE7SKA |
| 09100500-VE537 | on cw | au | > DO33 | H VE6MK |
| 09100700 VE6ARC | au | DO05 | > DO33 | B VE6MK |
| 09100700 VE6EMU | au | DO33 | > DO33 | B VE6MK |

MEXICO

06160009 XE1J DK89 > DK79VA S XE1AVM
06231600 XE2USL -1610 > DK79VA B XE1AVM
07082130 XE2OR/M DL97 > DK79VA S XE1AVM
07082304 XE1BSF DK89 > DK79VA S XE1AVM
07082330 XE1J DK89 > DK79VA S XE1AVM
07301710 unIDe 2,4 > LA Mexico T OGLETHORP
08011345 unID 2 XEW > LA T OGLETHORP
08042217 unID 2 > LA Mexico T OGLETHORP
08051550 XEPM2 2 CH > CA T PISII
08061357 unID 2 XEW > LA T OGLETHORP
08072313 unIDe 2 > LA Mexico T OGLETHORP
08080010 unID 2 VER > LA Mexico T OGLETHORP
08102225 XHG 2,4,5 > LA Mexico T OGLETHORP
08102225 XHG 4 JA > LAL 1003 T OGLETHORP
08102230 unIDe 3 > LA TV7 et.al. T OGLETHORP
08102250 unID 6 > LA Mexico T OGLETHORP
08102355 XHBQ 3 ?? > LA T OGLETHORP
08141545 unID 2 XEW > LA T OGLETHORP
08141550 XHG 4 JAL > LA 1003 T OGLETHORP
08150410 unID 2 XEW > LA T OGLETHORP
08151450 XHBC 3 BW MEXICALI 1022 T W51YX
08151515 unID 2 XEW > LA T OGLETHORP
08151515 XHBS 4 SI/SO > LA //2 T OGLETHORP
08151520 unID 2 XHQ-3 > LA T OGLETHORP
08161735 unID 2 > LA Mexico T OGLETHORP
08161750 unIDe 4,5 > LA Mexico T OGLETHORP
08161750 XHAP 2 Guerrero > LA T OGLETHORP
08251445 ICRT 2 CU > LA 2,4,5 SS T OGLETHORP
08251500 unID 2 > LA TV Azteca T OGLETHORP
08251605 XHPM 2 VER > LA 1243 T OGLETHORP
09040115 XHPM 2 VER > LA 1243 T OGLETHORP
09040125 unIDe 2,4 > LA Mexico T OGLETHORP
09061415 unID 2 > LA XHQ-3 Relay T OGLETHORP
09061415 XHBSt 4 SI/SO > LA XEW T OGLETHORP
09061432 unID 2 > LA XEW T OGLETHORP

NEWFOUNDLAND

08161336-VOL1EA B EH1TA/P

PUERTO RICO

08061725 KP4EIT FK78 > JO65 H SM7AED/
08061731 KP4EIT 7704MI FK68 > JO65 SM7FJE

UNITED STATES, W1

06100123 K1BM 55 DN71 > DK79VA S XE1AVM
06151907 W1CW 44 > DK79VA H XE1AVM
07012227 WFSB 3 CT > MO 955/1528 T BUEENEMAN
07082119 W1A1M 54 FM34 > DK79VA S XE1AVM
07171850 WFSB 3 CT > MO 955/1528 T BUEENEMAN
08122019 W1/W3EP FN31 > JO65 H SM7FJE
08122043 W1/W3EP > JO66 H SM7AED

UNITED STATES, W2

08031635 WGRE 2 NY > LA 1091 T OGLETHORP
08061445 WGRE 2 NY > LA 1091 T OGLETHORP
08061800 WTVH 5 NY > LA 1212 T OGLETHORP
08161720 WNBC 4 NY > LA 1238 T OGLETHORP
08161900 WGRE 2 NY > LA 1091 T OGLETHORP
08171759 WTVH 5 NY > LA 1180 T KRUSKA

UNITED STATES, W3

07242229 KDKA 2 PA > LA 945 T OGLETHORP
08061455 KDKA 2 PA > LA 945 T OGLETHORP
08061550 WRC 4 DC > LA 1042 T OGLETHORP
08061557 WTTG 5 DC > LA 1042 T OGLETHORP
08061601 WMAH 2 MD > LA 1072 T OGLETHORP
08061615 WTAE 4 PA > LA 945 T OGLETHORP
08150115 KDKA 2 PA PITTSBURG 1292 T W51YX
08161336-B3QCH W EH1TA/P
08161744 KDKA 2 PA > LA 945 T OGLETHORP
08161910 WMAH 2 MD > LA 1072 T OGLETHORP
08161910 WRC 4 DC > LA 1042 T OGLETHORP
08161910 WTTG 5 DC > LA 1042 T OGLETHORP
08171759 WFSB 3 PA > LA T KRUSKA
08171759 WTAE 4 PA > LA 930 T KRUSKA
08171821 WRCT 4 DC > LA T KRUSKA
08211625 WMAH 2 MD > LA 1072 T OGLETHORP
08251354 W3JW FM08 W CO2OJ

UNITED STATES, W4

07242055 WPMY 2 NC > LA 838 T OGLETHORP
07242059 WUND 2 NC > LA 1031 T OGLETHORP
07242103 WCBD 2 SC > LA 805 T OGLETHORP
07251627 KUSD 2 SC > LA 738 T OGLETHORP
08022058 WAVE 3 KY LOUISVILLE 974 T W51YX
08031529 WCBD 2 SC CHARLESTON 1139 T W51YX
08042129 WESH 2 FL > LA 789 T OGLETHORP
08042319 WKRN 2 TN NASHVILLE 819 T W51YX
08061310 WUNC 4 NC > LA 875 T OGLETHORP
08061310 WUND 2 NC > LA 1031 T OGLETHORP
08061530 WPMY 2 NC > LA 838 T OGLETHORP
08061552 WCYB 5 VA > LA 721 T OGLETHORP
08071825 WFOR 4 FL > LA 939 T OGLETHORP
08071825 WPBT 2 FL > LA 939 T OGLETHORP
08072240 WUND 2 NC > LA 1031 T OGLETHORP
08142359 WPMY 2 NC > LA 838 T OGLETHORP
08142359 WUND 2 NC > LA 1031 T OGLETHORP
08150012 WUNC 4 NC > LA 875 T OGLETHORP
08161540 WCBD 2 SC > LA 805 T OGLETHORP
08161615 WUND 2 NC > LA 1031 T OGLETHORP
08161625 WUNC 4 NC > LA 875 T OGLETHORP
08161629 WPMY 2 NC > LA 838 T OGLETHORP
08171935 WESH 2 FL DAYTONA B 1040 T W51YX
08172328 WAVE 3 KY LOUISVILLE 974 T W51YX
08201520 WUND 2 NC > LA T OGLETHORP
08251420 WFOR 4 FL > LA T OGLETHORP
08251420 WPBT 2 FL > LA T OGLETHORP
08270115 WFTS 2 FL > LA 939 T OGLETHORP
09032330 WUND 2 NC > LA 1031 T OGLETHORP

UNITED STATES, W5

06100100 AC50Q WKG KBOMPH > DK79VA H XE1AVM
06161427 W5JHV DM62 > DK79VA S XE1AVM
06161432 K5LSM DM91 > DK79VA S XE1AVM
06161445 W5TKM EL09 > DK79VA S XE1AVM
06161447 W5XTH EL09 > DK79VA S XE1AVM
06161448 W5BBO EL09 > DK79VA S XE1AVM
06161452 K5RRH EM10 > DK79VA S XE1AVM
06161453 W5ETW EM00 > DK79VA S XE1AVM
06161457 W5FUA EM10 > DK79VA S XE1AVM
06161459 W5DK EM12 > DK79VA S XE1AVM
06161511 W5SEU EM12 > DK79VA S XE1AVM
06161512 K5TUA EL29 > DK79VA S XE1AVM
06161520 W5OBI EM00 > DK79VA S XE1AVM
06161526 W5/W3XO EM00 > DK79VA S XE1AVM
06161727 K5OAI EM22 > DK79VA S XE1AVM
06161732 W5/K6MBW/M EM11 > DK79VA S XE1AVM
07082122 K5C1CS EM15 > DK79VA S XE1AVM
07082127 K5CM EM25 > DK79VA S XE1AVM
07082138 W5/W3XO EM00 > DK79VA S XE1AVM
07082146 K5UOT DM88 > DK79VA S XE1AVM
07082148 W5CE EM02 > DK79VA S XE1AVM
07082158 W5K5 EM12 > DK79VA S XE1AVM
07082159 W5HHS EL29 > DK79VA S XE1AVM
07082212 W5B8T DM93 > DK79VA S XE1AVM
07082219 W5SCP EL22 > DK79VA S XE1AVM
07082228 W5UJ EL29 > DK79VA S XE1AVM
07082233 W5EHM EM10 > DK79VA S XE1AVM
07082245 W5SEW EM10 > DK79VA S XE1AVM
07082251 K5STKG EL09 > DK79VA S XE1AVM
07082325 K5GFE EL09 > DK79VA S XE1AVM
07090224 W5SFP DM64 > DK79VA S XE1AVM
07140233 K5BOAI EM22 > DK79VA S XE1AVM
07140240 K5CHNH EM10 > DK79VA S XE1AVM
08011735 KASA 2 NM > LA 753 T OGLETHORP
08042100 KRWV 3 NM > LA 760 T KRUSKA
08051630 KACV 2 TX > CA T PISII
08051832 KMDI 2 TX > CA T PISII
08071555 KKAS 5 TX > CA T PISII
08071557 KDFW 4 TX > CA T PISII
08071559 KENW 3 NM > CA T PISII
08071559 KMDI 2 TX > CA T PISII
08071600 KWAB 4 TX > CA T PISII
08071626 KTXH 5 TX > CA T PISII
08071800 KACV 2 TX > CA T PISII
08120738 KDBC 4 TX > ID MS T W7SOK
08120738 KTXH 5 TX > ID MS PBS T W7SOK
08121445 KAS 4 NM > LA 753 T OGLETHORP
08121457 KOB 2 NM > LA 764 T OGLETHORP
08141900-W5 NM > CM88 K6QXY
08141900-W5/W9KUM DM65>CM88 50.068 B K6QXY
08220000-W5 NM -0300 > CM88 K6QXY
08251601 W5UXT/M EL49 W CO2OJ

UNITED STATES, W6

06231449 KD6TBE DM04 > DK79VA S XE1AVM
06231452 W6AGATT WKG KD6TBE H XE1AVM
07090141 K6MIO DM42 > DK79VA S XE1AVM

UNITED STATES, W7

06161422 W7US -1534 > DK79VA B XE1AVM
06161456 W7OHP DM42 > DK79VA S XE1AVM
07082250 K7J7B DM43 > DK79VA S XE1AVM
07082254 K7NE DM42 > DK79VA C XE1AVM
07082301 W7VYM DM44 > DK79VA S XE1AVM
07082307 W7WBQ DM42 > DK79VA S XE1AVM
07082313 W7WB -2400 > DK79VA B XE1AVM
07082314 K7WCB DM42 > DK79VA C XE1AVM
07082320 W7RV WKG XE1J DM43 > DK79VA H XE1AVM
07082327 K7ICW DM26 > DK79VA C XE1AVM
07082345 W7JTM DM33 > DK79VA C XE1AVM
07251715 K7WO 2 WY > LA 996 T OGLETHORP
08011930 KUTV 2 UT > LA 1160 T OGLETHORP
08030053 K7WO 2 WY > LA 996 T OGLETHORP
08042215 K7WO 2 WY > LA 996 T OGLETHORP
08080059 K7WB 5 MT > CA T PISII
08080059 K7RV 3 MT > CA T PISII
08080130 K7VM 6 MT > CA T PISII
08120830 K7XT 4 UT > ID MS T W7SOK
08121423 K7AZ 2 AZ > LA 1045 T OGLETHORP
08121629 K7V 2 UT > LA 1160 T OGLETHORP
08141629 K7AZ 2 AZ > LA 1045 T OGLETHORP
08141900-W7 AZ > CM88 K6QXY
08150318 KUTV 2 UT > LA 1160 T OGLETHORP
08200001 K7VC 3 NV LAS VEGAS 1052 T W51YX
08200012 K7AZ 2 AZ FLAGSTAFF 843 T W51YX
08220000-W7 AZ -0300 > CM88 K6QXY

UNITED STATES, W8

06100113 K08??? WKG KD4??? H XE1AVM
07242110 W7BK 2 MI > LA 904 T OGLETHORP
07242200 WDTN 2 OH > LA 735 T OGLETHORP
07261650 WDTN 4 MI > LA 744 1042 T OGLETHORP
08022022 WDTN 2 OH DAYTON 1076 T W51YX
08022032 WMTT 3 MI KALAMAZOO 1161 T W51YX
08061450 WDTN 2 OH > LA 735 T OGLETHORP
08061520 W7BK 2 MI > LA 904 T OGLETHORP
08061540 W7BK 2 MI DETROIT 1238 T W51YX
08061557 W7VA 6 WV > LA 787 T OGLETHORP
08061601 W0AY 4 WV > LA 810 T OGLETHORP
08061610 WDTV 5 WV > LA 876 T OGLETHORP
08061658 WDTV 4 MI > LA 904 T OGLETHORP
08061727 WDEM 5 MI > LA 943 T OGLETHORP
08061800 WDTN 4 MI > LA 1042 T OGLETHORP
08091545 WDTN 4 MI > LA 1042 T OGLETHORP
08150117 WDTV 4 MI DETROIT 1239 T W51YX
08150158 WDTN 2 OH DAYTON 1076 T W51YX
08150201 W7VC 3 OH CLEVELAND 1253 T W51YX
08162203 K7RY 4 MI > LA 904 T OGLETHORP
08162215 WCMH 4 OH > LA 795 T OGLETHORP
08162218 WEMS 5 OH > LA 917 T OGLETHORP
08162220 WDTN 2 OH > LA 735 T OGLETHORP
08162230 WDTN 4 MI > LA 744 1042 T OGLETHORP
08162235 WDEM 5 MI > LA 943 T OGLETHORP

08171827 WKYC 3 OH > LA 890 T KRUSKA
08211605 WJBK 2 MI > LA 904 T OGLETHORP

UNITED STATES, W9

06100120 AA9D EM52 > DK79VA H XE1AVM
06231442 W9MXK > DK79VA S XE1AVM
07090138 K9RS DM65 > DK79VA S XE1AVM
07242300 WBBM 2 IL > LA 737 T OGLETHORP
07261710 WBAV 2 WI > LA 892 T OGLETHORP
08042110 WCIA 3 IL CHAMPAIGN 931 T W51YX
08061830 WMAQ 5 IL > LA 737 T OGLETHORP
08091550 WBAV 2 WI > LA 892 T OGLETHORP
08091555 WFRV 5 WI > LA 892 T OGLETHORP
08091659 WBBM 2 IL > LA 737 T OGLETHORP
08162207 WBAV 2 WI > LA 892 T OGLETHORP
08162259 WFRV 5 WI > LA 892 T OGLETHORP
08162259 WTMJ 4 WI > LA 801 T OGLETHORP
08172347 WBBM 2 IL CHICAGO 1053 T W51YX
08192157 WISC 3 WI MADISON 1062 T W51YX

UNITED STATES, W0

06151907 W0RKA DM69 > DK79VA H XE1AVM
07080430 KOCO 5 KS > ID T W7SOK
07080430 KSKW 3 KS > ID T W7SOK
07080500 KLMR 3 NE > ID T W7SOK
07082115 KACNHO -2200 EM24 > DK79VA B XE1AVM
07082128 KOPF EM49 > DK79VA S XE1AVM
07121530 KLMR 3 NE > ID T W7SOK
07121530 KITY 3 MO > ID T W7SOK
07242110 KGAN 2 IA > LA 672 T OGLETHORP
07251455 KQX 2 ND > LA 1086 T OGLETHORP
07251555 KQMA 2 ND > LA 1110 T OGLETHORP
07251618 KFYR 5 ND > LA 1063 T OGLETHORP
07251625 KTVI 4 IA > LA 712 T OGLETHORP
07251653 KIVV 5 SD > LA 987 T OGLETHORP
07251653 KQOP 2 NE > LA 717 T OGLETHORP
07261640 KSTP 5 MN > LA 869 T OGLETHORP
07261658 KGAN 2 IA > LA 672 T OGLETHORP
07261659 WCCO 4 MN > LA 870 T OGLETHORP
07261735 KQFE 2 ND > LA 1086 T OGLETHORP
08010325 KXMA 2 ND > LA 1110 T OGLETHORP
08010335 KWSE 4 ND > LA 1206 T OGLETHORP
08011728 KDLO 3 SD FLORENCE 1071 T W51YX
08011729 KUSD 2 SD VERMILLION 942 T W51YX
08021959 KGAN 2 IA CEDARAPIDS 960 T W51YX
08022040 KGAN 2 IA > LA 672 T OGLETHORP
08022059 KCTA 2 MN > LA 869 T OGLETHORP
08022224 WJMH 3 MN ESCABANA 1310 T W51YX
08022255 KXMA 2 ND > LA 1110 T OGLETHORP
08022345 KOTA 3 SD > LA 1150 T KRUSKA
08022356 KDLH 3 MN DULUTH 1244 T W51YX
08022356 KCTA 2 MN ST PAUL 1116 T W51YX
08030018 KDUI 4 NE > LA 1050 T KRUSKA
08030020 KTVV 5 SD > LA 747 T OGLETHORP
08030020 KWOP 2 NE > LA 717 T OGLETHORP
08030033 KDLO 3 SD FLORENCE 1071 T W51YX
08030045 KDUI 4 NE > LA 852 T OGLETHORP
08030057 KUSD 2 SD VERMILLION 942 T W51YX
08030159 KWGN 2 CO > LA 806 T OGLETHORP
08042130 KQAA 5 CO > LA 940 T KRUSKA
08042149 KPRT 4 SD > LA T KRUSKA
08042155 KSWB 4 NE > LA 765 T KRUSKA
08042200 KGAN 2 IA > LA 672 T OGLETHORP
08051828 KOAA 5 CO > CA T PISII
08061658 WCCO 4 MN > LA 870 T OGLETHORP
08070435 KGAN 2 IA > LA 672 T OGLETHORP
08070445 KXMA 2 ND > LA 1110 T OGLETHORP
08121600-W0 CO > CM88 K6QXY
08130300-W0 MN > CM88 K6QXY
08150310 KWGN 2 CO > LA 806 T OGLETHORP
08162227 KCTA 2 MN > LA 869 T OGLETHORP
08162303 KGAN 2 IA > LA 672 T OGLETHORP
08162315 WOI 5 IA > LA 666 T OGLETHORP
08170228 KQFE 2 ND > LA 1086 T OGLETHORP
08170330 KWSE 4 ND > LA 1206 T OGLETHORP
08170330 KXMA 2 ND > LA 1110 T OGLETHORP
08172303 KSTP 3 MN > LA 1005 T KRUSKA
08172304 KDLT 5 SD > LA 990 T KRUSKA
08172314 KTVI 4 IA > LA 880 T KRUSKA
08181500-W0 MN EN26 > CM88 K6QXY

Reports of Oceania

GUAM

08141630 KH2JU 50.110 S JAL-3

HAWAIIAN IS.

08141800-KH6HME <2300 144,432,1296 B K6QXY tr
08160000 KH6HME 55 IN/OUT 144,432 B K6QXY tr
08170140 KH6HME 57 BK29 PAUL 144.17 S K6QXY tr
08170213 KH6HME 56 <0300 432.075 S K6QXY tr
08260603 KHON 2 HI -1318 55.260 V K1AA
08261442 KHON 2 HI -1542 55.260 V K1AA
08260603 WHMT 2 HI HILO 55.250 V K1AA
08260812 KGMV 3 HI HAILUKU 61.250 V K1AA
08260812 KFTV 4 HI HONOLULU 67.240 V K1AA
08260812 KFTV 5 HI HONOLULU 67.240 V K1AA
08260812 KAI 7 HI 175.25 V K1AA
08270617 KHON 2 HI -1227 55.260 V K1AA
08270617 KHB 3 HI HILO 55.250 V K1AA
08270617 KHB 3,4,5,7 V K1AA
08280950 KHON 2 HI -1258 WEAK V K1AA
08290500 KHON 2 HI -0720X0510-0610 V K1AA
08290638 KHB 2 HI HILO 55.250 V K1AA
08290638 KTV 4 HI HONOLULU 67.240 V K1AA
08290638 K??? 4 HI HILO 67.250 V K1AA
08300732 KHON 2 HI -1052 55.260 V K1AA
08300830 KHB 2 HI, KGMV 3 V K1AA
08300830 KTV 4 HI, KFTV 5 V K1AA
08300830 KAI 7 HI 175.25 V K1AA
08300830 KHON 9 HI 187.24 V K1AA
08310650 KHON 2 HI -0740 55.260 V K1AA
08310650 KHB 2 HI 55.250 V K1AA

08310650 KH6HME HI STRONG B EK1AA
 09010655 KH0W 2 HI -1304 55.260 V EK1AA
 09010808 KHBC 2 HI STRONG 55.250 V EK1AA
 09010808 KH6HME HI STRONG B EK1AA
 09010808 KGMV 3 HI WAILUKU 61.250 V EK1AA
 09010808 KITV 4 HI HONOLULU 67.240 V EK1AA
 09010808 KFVE 5 HI HONOLULU 77.250 V EK1AA
 09010808 KAITI 7 HI WEAK 175.25 V EK1AA
 09020655 KHBC 2 HI STRONG 55.250 V EK1AA
 09020655 KH6HME HI STRONG B EK1AA
 09020655 KH0W 2 HI -0815 55.260 V EK1AA
 09020655 KGMV 3 HI -0815 61.250 V EK1AA
 09030626 KHBC 2 HI -1246 55.260 V EK1AA
 09030930 KHBC 2 HI STRONG 55.250 V EK1AA
 09030930 KH6HME HI STRONG B EK1AA
 09050706 KH0W 2 HI -0806 55.260 V EK1AA
 09050706 KHBC 2 HI STRONG 55.250 V EK1AA
 09050706 KH6HME HI STRONG B EK1AA
 09050720 KH6 2 HI -0820 55.2XX V PO5DR
 09060610 KHBC 2 HI STRONG 55.250 V EK1AA
 09060710 KH0W 2 HI -1230 55.260 V EK1AA
 09080625 KH0W 2 HI -1145 55.260 V EK1AA
 09090525 KH0W 2 HI -1235 55.260 V EK1AA
 09100556 KH0W 2 HI -1132 55.260 V EK1AA
 09110636 KH0W 2 HI -1206 55.260 V EK1AA
 09120830 KH0W 2 HI -1210 55.260 V EK1AA
 09130750 KH0W 2 HI -1226 55.260 V EK1AA
 09160704 KH0W 2 HI -1236 55.260 V EK1AA
 09161439 KH0W 2 HI -1359 55.260 V EK1AA
 09160704 KHBC 2 HI -0904 55.250 V EK1AA
 09160704 KH6HME HI -0904 B EK1AA
 09160704 KH6 3,4,5 B EK1AA
 09171130 KH0W 2 HI -1230 WEAK V EK1AA
 09180824 KH0W 2 HI -1538 X 8/O V EK1AA
 09180824 KGMV 3 HI WEAK 61.25 V EK1AA
 09180824 KITV 4 HI WEAK 67.24 V EK1AA
 09190611 KH0W 2 HI -1650 X 8/O V EK1AA
 09190611 KH6HME HI 569 B EK1AA
 09190630 KGMV 3 HI WAILUKU 61.250 V EK1AA
 09190630 KITV 4 HI HONOLULU 67.240 V EK1AA
 09190630 KFVE 5 HI HONOLULU 77.250 V EK1AA
 09200831 KH0W 2 HI -1240 55.260 V EK1AA
 09200926 KITV 4 HI WEAK 67.240 V EK1AA
 09201435 KH0W 2 HI -1650 55.260 V EK1AA
 09211015 KH0W 2 HI -1245 55.260 V EK1AA
 09211120 KITV 4 HI STRONG 67.240 V EK1AA
 09211120 KHBC 2 HI WEAK 55.250 V EK1AA
 09211120 KGMV 2 HI WEAK 61.250 V EK1AA

MINAMI TORI SHIMA IS.

08101804 JD1BIY -M 50.190 S J11CPW

NEW CALEDONIA

0807XXXX FK8GM VK3OT

OGASAWARA IS.

07281440 JD1/JK1POC -O 50.140 S JH0BQX
 08041733 JD1BJP 50.155 S JH0BQX
 08041735 JD1ADP 50.012 B JH0BQX

QSL Information

SO6USA/1: QSL via DL9USA

ZS1D/mm, A45ZN: via G4UPS, Ted Collins, 27, Parklands, Hemyock, Cullompton, Devon EX15 3RY, ENGLAND

OD5SB (from OD5RAK, Rashid A Karami radio club): via Rami Finge, PO Box 22, Tripoli 604, LEBANON

HP2CWB: via Jose Mg Lee, WT3B, Disney International PTY-201, P.O. Box 02-5275, Miami, FL 33102-5275, USA

Beacon News

Russia: SM0KAK heard UA1ZAO mention on 20m that there was a station in KP68, the Murmansk area, transmitting on 50.002 MHz. The station has a 2x7 element antenna directed to Canada. I heard the station on August 20 and 22 in a couple hours; it is transmitting 50 seconds carrier and then quiet for 10 seconds. No callsign is transmitted. The signal pushed my S-meter to the stop most of the time, therefore I guess it must be a powerful station having such a strong signal from a sidelobe of the antenna. No other details are known.

The Russian station, as well as OH9SIX, can be heard in south Sweden at any time of the day via meteor scatter. Tnx SM7AED.

VATICAN: No reception reports of HV3SJ this month, the beacon on 50.004 was reported temporarily QRT for repair on August 6 by Tony, 10JX. #

Shetland Isles: # GB3LER on Lerwick, IP90JD, is once again radiating on 50.064 MHz after the successful installation of a new antenna. It was returned to service at 1300, August 7. Power output is 45 Watts to a folded dipole aligned for maximum radiation north-south. . . Reports of the beacon are most welcome, Andy Stevens, GM4IPK, GB3LER Beacon Project.

England: As part of an experiment by the RSGB Propagation Studies Committee, Chris Deacon, G4IFX, of Darlington, County Durham, has been granted permission by the RA to use the callsign GB3IFX for his 50 MHz tropospheric tests. The beacon transmits on 50.275 MHz, on the hour, every hour, in 30 second bursts during which the callsign and time are sent twice. Tnx SM7AED.

USA: In response to last month's query, K6QXY writes: WD7Z 50.065 has been QRT for several years; KB6BKN is now on 50.072, intermittent starts 12 or 1 AM to ~9:30 AM PDT--changes schedule and frequency frequently!; NN7K DM09 50.0732 is back on; as is W7HAH DN28 50.0617.

First National XE VHF/UHF Competition, October 26-27

Pat Rose, W5OZI, sent me a copy of the announcement by FMRE (Federación Mexicana de Radio Experimentadores) of a VHF/UHF contest for licensed Mexican radio amateurs between 10 AM Central time October 26 and 8 PM Central time October 27.

Contestants may use the 50, 144, and 432 MHz bands and SSB and/or FM. Exchange calls, signal reports, municipality, and state. Contacts between stations in the same municipality earn 1 point, contacts between stations in different municipalities, but the same state earn 2 points, contacts between stations in different states earn 4 points.

The multiplier is the sum of the municipalities and states. The final score is the total points on all bands multiplied by the total multipliers on all bands.

Logs should be sent before

November 27 to Jose Levy, XE1J, Director de Concursos FMRE, Calle Clavel 333, Colima, Coll. 28030

50MHz Multimedia CD ROM

GJ4ICD is preparing a CD ROM of information that may be of interest to 6m operators. He is asking for any additions to the following list of DX TV frequencies (presumably U.S. and above ch. 2 need not apply).

TV LISTING

| Freq (MHz) | Prefix | Loc. | ERP kW |
|----------------|--------|------|--------|
| 45.240/250/260 | ZL | | 100 |
| 46.172. | VK4 | | 150 |
| 46.240. | VK6 | | 100 |
| 46.260. | VK6 | | 1.5 |
| 48.239.6 | DL | JN39 | 100 |
| 48.239.6 | SM | JO79 | 60 |
| 48.241.4 | CT | IM59 | ?? |
| 48.242.2 | CT | IN51 | 67 |
| 48.246.1 | LA | JP20 | 30 |
| 48.247.4 | DL | JO40 | 100 |
| 48.248.7 | LA | KP59 | 30 |
| 48.250.0 | HB9 | JN36 | 50 |
| 48.250.2 | EA | IN80 | 250 |
| 48.250.0 | OE | JN78 | 60 |
| 48.250.0 | SM | JP93 | 60 |
| 48.251.9 | EA | IN52 | 40 |
| 48.252.8 | LA | JO38 | 60 |
| 48.256.5 | LA | JP53 | 100 |
| 48.260.4 | DL | JN57 | 100 |
| 48.260.4 | LA | JP77 | 60 |
| 49.739.6 | HG | JN97 | 150 |
| 49.739.6 | UB5 | KN29 | 150 |
| 49.739.6 | OK | JO70 | 150 |
| 49.739.6 | UB5 | KN74 | 50 |
| 49.739.6 | UA3 | KO89 | 35 |
| 49.739.6 | UB5 | KO62 | 35 |
| 49.740.9 | UA1 | KP78 | 10 |
| 49.744.8 | HG | JN86 | 50 |
| 49.747.6 | UA3 | KO85 | 240 |
| 49.750.0 | UA6 | KN95 | 50 |
| 49.750.0 | UB5 | KN67 | 35 |
| 49.750.0 | UA1 | KP75 | 10 |
| 49.750.0 | UA3 | KO59 | 240 |
| 49.750.0 | UC2 | KO33 | 150 |
| 49.750.0 | UA6 | KN93 | 35 |
| 49.751.3 | SP | JO93 | 100 |
| 49.757.8 | UA3 | KO56 | 90 |
| 49.757.8 | UA1 | KP63 | 10 |
| 49.760.4 | UQ2 | KO06 | 50 |
| 49.760.4 | UC2 | KO41 | 50 |
| 49.760.4 | UB5 | KN79 | 35 |
| 49.760.4 | UA3 | KO91 | 35 |
| 53.739.6 | I5 | JN53 | 34 |
| 53.760.4 | IT9 | JM67 | 35 |
| 53.760.4 | I7 | JN81 | 34 |
| 53.760.4 | I3 | JN65 | 1600 |
| 53.757.8 | EI | IO52 | 100 |
| 55.250.0 | CT | IN51 | 60 |

Other information on the CD may be deduced from the following by GJ4ICD.

Welcome to the 50MHz CD Rom, there is no installation to do, just click the item in the directory that you wish to view via the file manager or explorer if you are running Win 95. You will need, however, various applications to run the files, some of which can be found in the Utils directory.

To get the best from this CD Rom make sure that your PC is running in 16-

bit color. The initial space of 300 megabyte has been reduced by compressing the large audio files from over 200 megabyte to just over 10 megabyte. This means that now the CD Rom can be updated FREE OF CHARGE until 650 Meg data/headers is reached. The updates are free of charge but you will be required to include:

- A) A return postal packet.
- B) Sufficient postage for Air Mail.

A text editor such as notepad/wordpad/wordview6, an audio player for the sound files which may be in multiple formats, i.e., the standard Windows applications. Microsoft's Word, Excel, & Publisher will also be useful and a Jpeg viewer etc. You can find freeware/shareware in the Utils Directory to help you with this.

You can run a SEARCH from File Manager (Win 3+) or Explorer in Win 95. Type VK*. * or G*. *.....

A Readme.txt or Readme1st.txt file is included in each directory explaining the files.

This CD Rom is not sold for gain, it is provided at the cost of production and contains files relating to the archives of the 50MHz Amateur Radio Band.

Please observe the copyrights!

AMPS DIRECTORY:

3CX800:

Is a complete article on how to build a 3CX800 amplifier for 50MHz with power supply for desktop use.

4CX250B:

Contains the basis of a 250w amplifier for 50MHz, (No PSU).

SSTATE:

Contains a 400w solidstate amplifier by G3WOS. (Six News).

6NEWS:

This contains Issues 35 to 45 in .pub .doc and .wri formats.

Antenna:

Build/Browse 50MHz antennae articles, including beams, verticals etc. Sqloops, M2....etc.

Audio:

Contains a massive collection of 50MHz Audio Clips going back to cycle 21! Load the .ra player in utils directory before trying to execute the files, 100's of archived audio clips from all over the globe. A full .txt readme file is included which describes each file

Articles:

50MHz related articles from around the World, in .txt and .doc formats, going back nearly 40 years. WA1OUB, ZS6WB, K6FV and many many more archives. In Ascii and .doc formats for viewing in W4W6, or Windows word-view enclosed on the CD Rom.

Beacons:

Lists and construction information.

Email:

Contains all current 50MHz Email addresses.

Exped:

Expeditions on 50MHz are featured here.

Filters:

Contains Various 50MHz Filters. Notch, Hi-pass etc.

Freqs:

Here's some listings that will be handy! 30 to 50MHz in the USA. It contains sub directories allocated to each State, and also the USA bandplan and 43 to 46MHz World listing.....more to come from VK/JA.

Internet:

This contains ALL copies of Internet Six News, with full day by day reports from Jan 1996 onwards.

DXCC:

Several color prefix maps of the World. (Courtesy of Yaesu) plus lots of DXCC news, listings, information.

Mods:

A listing of known 50MHz equipment mods. Nag50 directory is a complete article how to modify a Nag144XL to 50MHz and have 275 watts out. IC706, SB220, SB200, IC575, TS680, TS690etc.

Movies:

Mpeg movies of Sprites and jets associated with sporadic E.

Pics:

Contains various formats of 50MHz DXers pictures, antenna, lots lots more!!! 100's! mainly .jpg or .gif, even Bob VE1YX gets photo'd!

QRA:

This directory contains many world QRA/Grid Maps in .bmp format. (Tks SM5AGM)

Radios:

Contains sub directories with Yaesu, Icom, Kenwood. It has pictures of 50MHz Radio's and a short text run down on them. The New DSP Icom 756

and 1.5 kW 50MHz amplifier, and many more.

Records:

Contains a few World firsts! in .doc and .txt formats.

Software:

This directory contains many useful applications for 50MHz DXers. QRA, Logbook, MUF predictor....etc.

Solar:

Contains solar data and pics of interesting information going back a long long way! like 1700AD! Cycle 23 predictions and many nice solar images.

SpE:

Sporadic articles/News/Theories.

Tvfreqs:

Contains the Worldwide TV listings.

Utils:

Contains a few freebies of use to 50MHz Dx'ers and useful utilities for looking/listening to the Archives. Shareware/Freeware. Xls, Wordview6, Real Audio player, etc. Please observe the conditions imposed by the writers of the software.

Microsoft ® trade mark, as are jpeg, gif and other formats on this CD Rom.

Thanks to all who sent in information especially the UKSMG, G3WOS, G4ASR, G0JHC, PA3BFM, WA1OUB, W3IWU, W3EP, GJ3RAX, ZS6WB, PA2HJS, Allard Munters, K6FV, N5JHV, I0JX, G4UPS, VE9AA, VE3DSS, JA1VOK, VK3OT, VK5LP, G6XM, Radioware, SP5XMU, JR3HED, SM5AGM more credits to come.....

Abt 25 Main Directories, 35 Sub Dir's, 15-20 Sub/Sub Dir's.....maybe more yet!

Tks agn de Geoff GJ4ICD

50 MHz Xcvr Evaluation

We published in our February 1994 issue, an evaluation of 50 MHz transceivers by Sam Goda, WA6JRA. Readers who don't already know should be advised that Sam is a demanding, harsh, outspoken critic. The original January 1994 evaluation may be obtained from him for the usual SASE.

Have things gotten better since then? What about the favorites of a couple solar cycles past? Sam has added a number of "oldies" and newer rigs to his list.

His addendum appears on the next page.

| Manufacturer | Model | 6M Scale | Remarks |
|--------------|------------|------------|---|
| COLLINS | 62S-1 | 0 | The 62S-1 50/144 MHz Converter is tube dated, the transmit(TX) signal is one of the best when used with the S-LINE, the 6M Scale can be changed from 0 to 1 if 15db preamp & a 50 MHz NB were used. The 62S-1 is now a choice collector item. |
| DRAKE | TR-6 | 1 | The TR-6 is tube dated, the TX performance is good & receive(RX) is fair. skirts of USB & CW filters are wide for serious DXing, & few circuits are critical. The solid-state 9-NB is still one of the best internal noise blanker(NB). |
| HEATHKIT | SB-110 | 0000 | A tube set originally in kit form; and not properly designed, assembled, & tested. |
| ICOM | IC-551D | 00 | The IC-551D distorts at high mic gain & low power supply voltage, the receiver is poor, and severe overload problems with an additional preamp. |
| ICOM | IC-575H | 2.0 | The IC-575H Scale is changed from 3 to 2.0. To be discontinued by ICOM. |
| ICOM | IC-706 | 0 | The IC-706 is designed for HF/6M/2M mobile. Thus designs compromised, performance questioned, and <u>not recommended for serious 6M DXing</u> . See 3/1996 QST Product Review. |
| ICOM | IC-729 | 0 | The IC-729 Scale is changed from 1 to 0. Discontinued by ICOM. |
| ICOM | IC-736 | 3.0 | See 4/1995 QST Product Review. TX & RX performance are good, TX USB & CW signal waveforms are very good, and per ICOM previous designs the NB is ineffective on power line noise. The IC-736 is being currently improved by GODA LABS. |
| J.R.C. | JST-245 | 3.0 | See 9/1995 QST Product Review. TX & RX performance are good, the TX CW waveform is fair, the TX phase noise is good, & the NB is ineffective on power line noise. |
| KENWOOD | TS-60S | 0-00 | See 9/1994 QST Product Review. The TS-60S is designed for 6M mobile. Thus designs compromised, performance questioned, and <u>not recommended for serious 6M DXing</u> . |
| KENWOOD | TS-600S | 000 | Some TX distortion at high mic gain. The RX performance is poor, overloads easily. |
| KENWOOD | TS-680S | 1.0 | The TS-680S Scale is changed from 2 to 1.0. |
| KENWOOD | TS-690S | 1-0 | The TS-690S Scale remains as 1-0. |
| SWAN | 250/250C | 00000/0000 | These worst possible 6M sets are not recommended even for the 6M beginner. DO NOT obtain one even for free. |
| YAESU | FT-650 | 1-0 | The FT-650 Scale remains as 1-0. |
| YAESU | FT-726R/6M | 000 | The FT-726R/6M Scale is changed from 0 to 000. |
| YAESU | FT-736R/6M | 00 | The FT-736R/6M Scale is changed from 0 to 00. |

This Addendum, to the 1/2/94 EVALUATION 50 MHZ TRANSCEIVERS, is prepared because of many inquiries & misinformation of older & newer 6M sets. Please note that for serious 6M DXing, the Recommended Scale of 1 is barely acceptable, 0 rejected, 000 to 00000 are not for any 6M work, and 00 is questionable between rejected & not for any 6M work. Most of the Evaluation and several above are acceptable for beginner-casual-average 6M work. All Japanese made 6M transverters are not recommended. The TEN-TEC and MFJ new 6M products are questionable.

An additional preamp is not recommended, except in the 62S-1. This includes all discontinued and all currently available 6M sets. This is because of very poor to marginal designs where the stock receiver will overload on strong S9+ local, E_s, and F_s signals. An additional 15db(voltage gain = 5.623) preamp will overload the already critical RF, mixer, IF, AGC, NB circuits; and the S-Meter becomes an uncalibrated indicator. If a 15db preamp were used, please connect a 0-40db step attenuator so that -15db will bring back the receiver to its normal condition; and the step attenuator can be used for varying signals and noise conditions. DO NOT use more than one additional preamp. In several properly improved 50 MHz receivers, I had found that a sensitivity of -100.0dbm(2.34 uv equals S9.0 on 50.100 MHz) to be satisfactory for all types of propagation. This is without any additional preamp.

All accessories-gadgets should be used with caution. Remember that no matter how many accessories are attached to the lower Scale 6M sets, the existing designed-in performance can not be improved. In the linear power amplifier, "the junk-in is amplified-out linearly". A poorly designed and/or improperly operated 6M set connected to a nonlinear power amplifier can cause havoc during a contest and E_s/F_s openings; and this also applies to the foreign DX station. When a power amplifier is used, it is imperative to monitor the output of the amplified transceiver. This can be done with a separate 50 MHz receiver. A better method is to continuously view the 50 MHz output by the use of a BIRD Sampler Element connected to a lab type oscilloscope(bandwidth greater than 100 MHz). The USB side-Xmas tree or CW waveforms, the attenuated PEP power output, and any fault can be observed immediately.

In 50 MHz receivers, the noise blanker is a very important circuit. After the preamp & linear power amplifier, the NB is the third most misunderstood circuit. Only the DRAKE 9-NB is effective on ignition & power line noise. All other NB are ineffective on power line noise because being not designed for high level, fast, and high repetition pulses. After many years of observing severe power line noise caused by Santa Ana Conditions, I am now convinced that detailed study of the noise characteristics must be applied to the design of the noise blanker. There are several NB claims, but these are surface type of information. Further discussion of the NB is beyond the scope of this Addendum.

From the Evaluation and Addendum, some conclusions are: 1. There are only a few transceivers acceptable for serious 50 MHz DXing. 2. The newer sets such as IC-736 and JST-245 will essentially determine the things to come in performance and features. Their competitors are either trying very hard to excel the current level or trying to repackage their old concepts with more bells and whistles. 3. If the current NB design technique continues, the deficiency of the NB will probably hold back the overall performance in new sets; and this had already happened in the IC-575H, IC-736, and JST-245. 4. Because performance parameters of 6M sets have been documented and the price range is in the \$1500-3000, amateurs should become better buyers and be more concerned of performance-price-effectiveness. This P- is now available, and I urge all 6M amateurs to make positive use of this data. Please make copies to interested 6M amateurs. 5. The Evaluation and Addendum may appear to be in great detail, be overwhelming to the 6M beginner, and even too much to the serious amateur. Therefore, please carefully read, study, and apply this 50 MHz reference material; or it may become just wasted pages.